Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

No. First & Part Bill — Date:

Division EE (Project Division Yelahanka Zone) — Sub-Division:

Bill Received No.....Dated.....Cash Book Voucher No.....dated.....

Scheduled Docket No.

Name of Work (as per sanctioned estimate): 1. Improvement of drain at thirumenahalli village main road in ward no 05 byatarayanapura sub division.2) Improvement of road and drain at thirumenahalli junction to agrahara layout govt hospital in ward no05 byatarayanapura sub division 3)Improvement of roads and drain at chokkanahalli village main road cross road in ward no 05 byatarayanapura sub division 4) Improvement of roads and drain at markendeyanagara main road and cross roads in ward no 05 byatarayanapura sub division 5) Improvement of roads and drain at sriraj layout main road and cross road in ward no 05 byatarayanapura sub division 6) Improvement of roads and drain at kogilu surrounding in ward no 05 byatarayanapura sub division 7)Improvement of roads and drain at agrahara village cross roads in ward no 05 byatarayanapura sub division 8) Improvement of roads and drain at agrahara layout kallappa reddy main road in ward no 05 byatarayanapura sub division

Reference to Agreement No. EE/project/ AG. NO: 200/17-18 Dated: 23.03.2018

Work order No . EE/project) YNK zone/ NO/ 205/ 17-18. Dated: 23.03.2018

Job Code: 005-18-000038. Budget head: P-3112. Est. cost: 285.00 lakhs

Name of Contractor and Full Address: Sri. S.K. CHANDRA

Certified that the measurements were taken by me on 21/04/18 and recorded of Pages: 17901 to 17907 of measurement Book No: 05/17-18 and that the work is satisfactorily executed.

S.K 2/05 MB NO: 180-05/17.18.

Contractor **Officer-in-charge of work**

Certified that the measurements were verified by me on 21/4/18 and found correct.

The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub Division Officer

Asst. Executive Engineer
Project Division
Yelahanka
Ban

If Memorandum of Payment

1)	Total value of work done or supplies made as per account with in	Total Rs: 1.38,31,514-00
2)	Deduct amount to be held in reserve being.....percent Rs.....	1% IT - 138315-00
3)	" Balance	1% cess - 138315-00
4)	Deduct Payments :	01% CBF - 13832-00
	a) Amount of previous payment as in the Office cash Book Voucher No.....Dated.....S.D. No.....	LR - 181193-00
	Amount adjusted towards cash advance recovery of	
	b) Payments cost store or other materials supplied.	
	Now made recovery of amount creditable to this/other work	
	Amount paid on this bill Cheque/Cash	Adju - 471655-00
5)	Balance being unpaid value of work done held in reserve	Cheque 13359859-00
6)	Deduct cash advance made on the Office Cash Book Voucher No.....dated.....less adjustments	
7)	Net amount due to or from contractor	
	Unadjusted items	
	8) Advance to contractor for materials brought to site (as detailed) within	

S.K 2/05

Contractor's Signature

Received Rs..... (In words)

.....

By Cash and by adjustment of Payment as per memorandum

Witnesses:

1.

2.

Dated.....Signature of Contractor S.K 2/05

Stamp

(For use in the Office)

Audited & Admitted for Rs. Rs: 13831514-00

Rs: 13359859-00 by Cheque

and Rs. 471655-00 by Adjustment

Paid by me by cheque

No.....Dated.....

Cash Rs.....Dated.....

Accts. Supdt.
Project Division
B.B.M.P.

Exe. Engineer
Project Division
B.B.M.P

Initials of Officer making payment

~~Executive Engineer~~

Item No.	Description	Unit	Estimated Quantity	Previous Measurement Bill		Present Measurement Bill			Total Quantity UP-to-date	
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost
1	KSRRB 200-8. Clearing and grubbing road land including uprooting rank vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, in area of light jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials labour charges complete as per specifications. MORTH / Chapter 2	Sqm	1404.00			686.83	7.06	4849.02	686.83	4849.02
2	KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatement including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Spec, Chapter 5	Sqm	9928.00			0.00	3.53	0.00	0.00	0.00
3	Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification	Cum	1844.10			715.22	207.48	148394.54	715.22	148394.54
4	Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications	Cum	4160.10			3379.55	172.23	582059.28	3379.55	582059.28
5	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechaniqal mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications	Cum	4003.75			2653.25	1962.57	5207180.50	2653.25	5207180.50

Item No.	Description	Unit	Estimated Quantity	Previous Measurement Bill		Present Measurement Bill			Total Quantity UP-to-date	
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost
6	Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kglsqm using mechanical means complete as per specifications	Sqm	17407.60			11381.56	30.59	348161.91	11381.56	348161.91
7	Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications	Sqm	34402.00			15304.66	12.94	198042.33	15304.66	198042.33
8	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications.. MORTH Specification No. 507 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen	Cum	326.00			196.16	6976.06	1368389.92	196.16	1368389.92
9	Providing and laying **bituminous concrete** 30-40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 5.4% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRT&H specification clause No. 500.9 complete in all respects as per specifications	Cum	1115.28			455.26	7863.22	3579828.33	455.26	3579828.33

Item No.	Description	Unit	Estimated Quantity	Previous Measurement Bill		Present Measurement Bill			Total Quantity UP-to-date	
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost
10	Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications	Sqm	1065.70			0.00	602.42		0.00	0.00
11	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms, thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications	Cum	348.72			40.69	5937.12	241575.48	40.69	241575.48
12	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surfaces such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification	Sqm	1776.00			894.78	344.74	308466.46	894.78	308466.46

Item No.	Description	Unit	Estimated Quantity	Previous Measurement Bill		Present Measurement Bill			Total Quantity UP-to-date	
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost
13	Providing andlaying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs, with 20mm and down size graded granite metal coarse aggregates @0.878 cum and fine aggregates @ 0.459 cum, with supérplastisiser @ 3lts confirming to IS 9103-1999 Reaffirmed -2008, machine mixed, concrete laid in layres not exceeding 15 cms, thick vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase,lintles, retaining walls, return walls, walls (any thickness) includng attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills fillets etc, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	188.70			117.38	7072.54	830169.09	117.38	830169.09
14	KSRB - 4.9.2: Providing TMT steel reinforcement Fe500 for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3.	Tonne	10.38			6.10	71310.20	434829.35	6.10	434829.35
15	Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge	Sqm	333.00			248.55	2331.00	579370.05	248.55	579370.05

Item No.	Description	Unit	Estimated Quantity	Previous Measurement Bill		Present Measurement Bill			Total Quantity UP-to-dat	
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost
16	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum	Cum	185.28			0.00	6901.94	0.00	0.00	0.00
17	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift	Sqm	1732.80			0.00	105.89	0.00	0.00	0.00
18	KSRRB M200-13.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry. cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications.-do- II. By Mechanical Means. A. Cement Concrete Grade M-15 & M-20.	Cum	48.00			0.00	535.52	0.00	0.00	0.00

Item No.	Description	Unit	Estimated Quantity	Previous Measurement Bill		Present Measurement Bill			Total Quantity UP-to-dat	
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost
19	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete.	nos	987.00			0.00	368.28	0.00	0.00	0.00
20	Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications.	Sqm	199.80			0.00	30.59	0.00	0.00	0.00

Item No.	Description	Unit	Estimated Quantity	Previous Measurement Bill		Present Measurement Bill			Total Quantity UP-to-dat	
				Qty	Cost	Qty	Rate Rs. & P.	Cost	Qty.	Cost
21	Providing and applying spray painting in two coats (excluding priming coat) over concrete / masonry i asbestos cement sheet / plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications	Sqm	199.80			0.00	77.66	0.00	0.00	0.00
Total Amount								**13,831,316.25**		**13,831,316.25**

Certificate

1 The above work has been Completed satisfactorily

2 The debris has been removed and disposed from the work spot.

3 No. departmental issues are made to the contractor

Asst Engineer
Project Division Yelahanka ZONE , BBMP

Asst.Executive Engineer
Project Division Yelahanka ZONE , BBMP